Index of Claims

| Application/Control N | ١o. |
|-----------------------|-----|
|-----------------------|-----|

10/729,278

Examiner

Ninh H. Nguyen

Applicant(s)/Patent under Reexamination

BRONAUGH ET AL.

Art Unit

3745

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N

Interference

Appeal Α 0 Objected

| Cla | aim | Date | | | | | | | | |
|----------|----------------------------------|--------------|--------------|----------|----------|--|--|----------|--|-----------------|
| <u> </u> | | | | | | | | | | П |
| Final | Original | 3/10/06 | | | | | | | | |
| | 1 | 1 | Γ | | Г | 1 | | | | П |
| | 1 2 3 4 5 | 7777 | | | | | | | | |
| | 3 | 1 | | | | | | | | |
| | 4 | 1 | | | | | | | | Ш |
| | _5 | 1 | | | | | | | | Ш |
| | 6 | ╘ | _ | <u> </u> | _ | | | | <u> </u> | Ш |
| | ×. | <u> </u> | | ┞ | _ | | | | ļ | Ш |
| | 8 | = | | <u> </u> | _ | | | | | Н |
| | 9 | = | | ├ | _ | - | _ | ⊢ | ┝ | Н |
| | 11 | 1 | ┢ | - | - | ⊢ | | \vdash | | Н |
| | 12 | 1 | | - | - | ├─ | ┢ | \vdash | | H |
| | 13 | 1 | | \vdash | \vdash | \vdash | | | 1 | Н |
| | 12 13 14 15 16 17 | す | | | | \vdash | \vdash | \vdash | | Н |
| | 15 | 1 | | | Т | F | | l | t | H |
| | 16 | = | \vdash | Ι- | | | ┢ | Ι | Τ_ | \vdash |
| | 17 | 1 | | | | | | | | |
| | × | | | | | | | | | |
| | 19 | 1 | | | | | | | | |
| | 20 21 | 1 | | | | <u> </u> | | | | |
| | 21 | Щ | | _ | _ | _ | | | | Щ |
| | 22 | 1 | <u> </u> | _ | | <u> </u> | | <u> </u> | Ь. | Щ |
| | 23 24 | 1 | | | | _ | | ╙ | | Ш |
| | 24 | 1 | ļ | | _ | _ | | | <u> </u> | Ш |
| | 25 | 1 | _ | ┡ | _ | | | \vdash | - | Н |
| | 26 27 | V | - | _ | _ | | | | <u> </u> | |
| | 28 | 7 | ⊢ | | \vdash | | | | - | Н |
| | 28 29 | , | \vdash | - | | - | | _ | \vdash | Н |
| | 30 | + | | | - | - | - | - | H | Н |
| | 31 | Н | \vdash | | | _ | | - | \vdash | Н |
| | 31 32 | V | | | | | | <u> </u> | <u> </u> | |
| | 33 | = | | i – | | | Г | Г | | П |
| | 34 | 1 | | | | | | | | |
| | 35 | 1 | | | | | Ĺ | | | |
| | 36 | Γ | | | | | | | | |
| | 37 | L | | L | | L | | L | | |
| | 38 | Ш | _ | <u>L</u> | _ | ldash | <u> </u> | L | <u> </u> | Ш |
| | 39 | 1 | | <u>L</u> | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Ш |
| | 40 | Ш | _ | \vdash | _ | \vdash | <u> </u> | _ | \vdash | \square |
| | 41 | 1 | <u> </u> | <u> </u> | _ | <u> </u> | <u> </u> | \vdash | H | Щ |
| · · · . | 42 43 | 1 | - | \vdash | _ | \vdash | \vdash | <u> </u> | \vdash | $\vdash \vdash$ |
| | 44 | V | _ | \vdash | <u> </u> | - | - | \vdash | | Н |
| | 45 | \vdash | - | - | - | \vdash | Н | - | | Н |
| | 46 | | _ | | - | - | \vdash | H | \vdash | $\vdash \vdash$ |
| | 47 | H | - | H | Н | H | H | ┝ | H | Н |
| | 48 | | | - | | | \vdash | Н | \vdash | $\vdash \vdash$ |
| | 49 | \vdash | | - | | | Н | Н | | Н |
| | 50 | \vdash | _ | Ι | _ | | Т | Н | H | Н |

| Cla | im | | | | | Date | е | | | | 1 | Cla | im | | | | Da | te | | | |
|----------|----------|----------|----------|----------|--------------|--|--------------|--------------|---|--|-----|-------|----------|--------------------|--|---|---------|------------|--------------------|--------------|--------------------|
| | | | | | | | | | | | | | | | Т | | Т | | | П | |
| ਰ | Original | 3/10/06 | | | | | ŀ | | | | | ā | Original | | | | | | | | |
| | ij | 10 | | | | | | | | | | Final | ij | | | | | | | | |
| - | Õ | હ્યુ | | | | l | | | | | | - | Õ | | | | | | | | |
| - | 1 | 1 | - | \vdash | ├ | \vdash | \vdash | ├- | \vdash | | | | 51 | \vdash | + | + | + | + | + | \vdash | |
| \dashv | 2 | 1 | | | \vdash | ⊢ | _ | \vdash | _ | _ | | | 52 | \vdash | + | + | + | + | + | \vdash | \vdash |
| - | 3 | 1 | | - | ┝ | ├ | - | | | | | - | 53 | \vdash | + | + | + | + | | ├ | |
| \dashv | | | \vdash | <u> </u> | <u> </u> | - | | | ⊢ | | | | | \vdash | | + | + | +- | + | ⊢ | |
| \dashv | 5 | 1 | | | <u> </u> | | _ | \vdash | | - | | | 54 | \vdash | + | + | + | + | + | \vdash | H |
| | | _ | | | _ | | _ | | | | | | 55 | - | + | + | + | \perp | - | - | <u> </u> |
| _ | 6 | = | | | <u> </u> | | L. | _ | | <u> </u> | | | 56 | \vdash | + | 4 | + | +- | | ⊢ | _ |
| _ | X | | | _ | ldash | | <u> </u> | | | | | | 57 | \Box | \perp | 4 | \perp | ╁ | ـــــ | | <u> </u> |
| | 8 | = | | | _ | | | _ | | | | | 58 | | _ | ┷ | 4 | ┸ | ╄ | _ | |
| _ | 9 | = | _ | _ | | L | | Щ | L | | ļ | | 59 | | _ | ┸ | \perp | 1 | _ | | oxdapsilon |
| | 10 | 1 | | | | L_ | | | | | | | 60 | | | \perp | \perp | | | <u> </u> | |
| | 11 | 1 | | | | | | | | L. | | | 61 | | | | \perp | | 丄 | | |
| | 12 | 1 | | | L | | | L | L | L | | | 62 | | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | \prod | \perp | $oxed{oxed}$ | L | |
| | 13 | 1 | | | | | | L | | | | | 63 | | | | | | | | |
| | 14 | 1 | | | | | | | | | | | 64 | | Т | | T | Т | T | | |
| | 15 | 1 | | | | | | | | | l | | 65 | | | | | | | | |
| T | 16 | = | | | | | _ | | _ | <u> </u> | | | 66 | | \top | 7 | 1 | \top | 1 | | |
| T | 17 | 1 | | П | | | | | | <u> </u> | | | 67 | | 1 | 十 | \top | T | Т | T | |
| | 78 | | | | | | - | | | | | | 68 | \Box | _ | _ | \top | \top | 1 | | |
| | 19 | 1 | | | | | | | | | | | 69 | | 1 | T | 十 | T | 1 | | Г |
| 寸 | 20 | 7 | _ | | _ | | \vdash | _ | _ | _ | | | 70 | | _ | + | 十 | +- | 1 | | |
| | 21 | + | | \vdash | - | - | \vdash | | | \vdash | | | 71 | - | + | 十 | + | + | + | ┢ | \vdash |
| | 22 | + | | | | | | \vdash | | _ | | | 72 | + | + | + | + | + | ╁ | _ | H |
| ᆉ | 23 | + | - | | | \vdash | | ┢ | - | | | | 73 | \vdash | + | + | + | + | ┿ | - | \vdash |
| + | 24 | + | _ | | - | \vdash | | \vdash | | - | | | 74 | \vdash | + | + | + | + | ╁ | \vdash | \vdash |
| - | 25 | + | - | | ┢ | \vdash | | - | | - | | | 75 | \vdash | + | ┿ | + | ╁ | ╁ | <u> </u> | - |
| | 26 | 1 | | _ | ⊢ | - | _ | | - | \vdash | | | 76 | - | | ╬ | + | ╁ | + | \vdash | \vdash |
| | | - | | | _ | | <u> </u> | _ | - | \vdash | | | | - | | + | ╁ | + | + | H | - |
| | 27 | = | | | H | | | | <u> </u> | <u> </u> | | | 77 | \vdash | \dashv | + | + | - | - | _ | |
| _ | 28 | 1 | | | _ | | | | <u> </u> | <u> </u> | | | 78 | \dashv | \perp | \bot | + | _ | ₩ | _ | |
| _ | 29 | 4 | | | _ | | L_ | _ | L | _ | | | 79 | | | 4 | 4. | 4 | <u> </u> | _ | |
| | 30 | 1 | | | | _ | | Ь. | <u> </u> | _ | | | 80 | | | 4 | 4 | \perp | ļ | <u> </u> | _ |
| | 31 | 1 | | | | | L | | | _ | | | 81 | <u>.</u> | _ | ┸ | ᆚ | <u>↓</u> _ | | 匚 | |
| | 32 | 1 | | | Ш | | $oxed{oxed}$ | Ш. | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | | | 82 | $oxedsymbol{oxed}$ | ᆚ | ᆚ | ┸ | 1 | _ | _ | |
| | 33 | = | | | Ш. | | <u>L</u> | | $ldsymbol{le}}}}}}$ | $ldsymbol{ld}}}}}}$ | | | 83 | | | ┸ | 丄 | | $oldsymbol{\perp}$ | | L_ |
| | 34 | 1 | | | | | | | $oxed{oxed}$ | | | | 84 | | | | | | | | $oxedsymbol{oxed}$ |
| | 35 | 1 | | | | | | | | $oxedsymbol{oxed}$ | | | 85 | \Box | $oldsymbol{ol}}}}}}}}}}}}}}}}$ | Ĺ | L | | | L | L |
| | 36 | T | | | | | | | L | | | | 86 | | $oldsymbol{\mathbb{I}}$ | I | | Ι | | · | |
| | 37 | Τ | | | | | | | | | | | 87 | | T | | Т | Τ | | | |
| | 38 | | | | | | | | | | | | 88 | | T | | | | | | |
| 一 | 39 | | | | | Г | | | | | | | 89 | | | \top | | 1 | Τ | | |
| 寸 | 40 | 7 | | | | Γ | | | | | | | 90 | | \top | 十 | \top | \top | T | | |
| \dashv | 41 | T | | | | | | | | | | | 91 | | \top | \top | T | T | T | | |
| 7 | 42 | Ħ | \neg | | _ | _ | \vdash | | П | | | | 92 | _ | \dashv | 十 | 十 | \top | \top | | |
| \dashv | 43 | ż | \vdash | | | | | | \vdash | | | | 93 | _ | + | + | + | \top | +- | П | Н |
| 1 | 44 | 一 | \vdash | | | | \vdash | | | \vdash | | | 94 | -+ | \dashv | + | + | + | + | | \vdash |
| -+ | 45 | - | \vdash | | | \vdash | H | - | \vdash | Н | | | 95 | | + | + | +- | + | + | \vdash | Н |
| \dashv | 46 | - | \dashv | | - | - | \vdash | | \vdash | \vdash | | | 96 | \dashv | + | + | + | + | \vdash | | |
| -+ | 47 | \dashv | \vdash | | \vdash | \vdash | \vdash | | \vdash | \vdash | | | 97 | ├ | + | ┿ | + | + | + | | \vdash |
| + | 48 | | \vdash | | | - | \vdash | \vdash | \vdash | | | | 98 | - | + | + | + | + | +- | \vdash | \vdash |
| - | | \dashv | _ | | - | | \vdash | | | \vdash | | | | + | + | + | + | + | \vdash | \vdash | Н |
| \dashv | 49 | | - | | \vdash | <u> </u> | Щ | | \vdash | \vdash | | | 99 | | + | + | + | +- | ـ | <u> </u> | Щ |
| - 1 | 50 | | | | | | | | l | | . [| | 100 | \perp | | | | | | ١., | |

| Cla | aim | Γ | _ | | | Date | | | | |
|-------|--|--|----------|--------------|--|--|--|--|--|-----------------|
| | i | | | | | <u> </u> | | - | | |
| ਯ | Original | | | | | | | | | |
| Final | rigi | | | | | | | | | |
| _ | 0 | | | | | | | | | |
| | 101 | _ | - | | _ | \vdash | ┢─ | | _ | \vdash |
| | 101 102 | | | \vdash | | \vdash | \vdash | \vdash | Н | \vdash |
| | 103 | | \vdash | | - | | \vdash | - | _ | |
| | 104 | | | | _ | | H | | Н | \vdash |
| | 105 | | _ | | \vdash | \vdash | | \vdash | Н | \vdash |
| | 106 | \vdash | <u> </u> | - | | | | | | \vdash |
| | 106 107 | \vdash | _ | | | | \vdash | | \vdash | Н |
| | 108 | ┢ | | _ | \vdash | T | | Т | \vdash | П |
| | 109 | \vdash | | | \vdash | | | _ | | H |
| | 109 110 111 | \vdash | _ | | \vdash | \vdash | | \vdash | \vdash | Н |
| | 111 | \vdash | | \vdash | \vdash | | | \vdash | \vdash | H |
| | 112 | - | _ | | - | - | - | | | Н |
| | 113 | \vdash | | \vdash | | ┢ | | \vdash | \vdash | Н |
| | 114 | \vdash | _ | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | ${}$ |
| | 115 | \vdash | <u> </u> | \vdash | \vdash | | | | | H |
| | 112 113 114 115 116 | | \vdash | | Ι | | | \vdash | \vdash | Н |
| | 117 | \vdash | <u> </u> | \vdash | \vdash | Т | | | \vdash | $\vdash \vdash$ |
| | 117 118 | \vdash | \vdash | \vdash | H | t^- | \vdash | \vdash | \vdash | H |
| | 119 | \vdash | | \vdash | | | \vdash | ┢ | \vdash | H |
| | 120 | - | \vdash | - | - | | | _ | \vdash | Н |
| | 120 121 | \vdash | \vdash | \vdash | | _ | - | \vdash | | Н |
| - | 122 | \vdash | | H | ┢ | ┢╌ | | - | \vdash | Н |
| | 123 | ┝ | _ | - | <u> </u> | ┢═ | - | 1 | - | Н |
| - | 122 123 124 125 126 127 | \vdash | | | \vdash | \vdash | \vdash | Н | \vdash | Н |
| | 125 | <u> </u> | | _ | | - | - | \vdash | <u> </u> | Н |
| | 126 | _ | _ | \vdash | | | | \vdash | \vdash | Н |
| | 127 | ┢ | _ | | | | ┢ | \vdash | ┢ | H |
| | 128 129 | H | | | | | | | _ | H |
| | 129 | | - | | | | | | \vdash | Н |
| | 130 | \vdash | | | | | | H | | H |
| | 131 | \vdash | \vdash | \vdash | | | | \vdash | \vdash | \vdash |
| | 131 132 | _ | _ | Ι | \vdash | | | \vdash | _ | $\vdash \vdash$ |
| | 133 | \vdash | | <u> </u> | - | <u> </u> | | | _ | Н |
| | 134 | \vdash | _ | \vdash | \vdash | | \vdash | Т | \vdash | \Box |
| | 135 | \vdash | | \vdash | \vdash | | \vdash | \vdash | - | \Box |
| | 136 | \vdash | | | | | | | | \Box |
| | 137 | | \vdash | | | | \vdash | | Ι | \Box |
| | 137 138 | | | | | \vdash | Ι | \vdash | <u> </u> | \Box |
| | 139 | | l — | | | | \vdash | Т | \vdash | |
| | 140 | \vdash | \vdash | | <u> </u> | \vdash | \vdash | _ | \vdash | \vdash |
| | 141 | _ | | | - | H | | Н | \vdash | \Box |
| | 142 | П | \vdash | Н | | Т | | \vdash | \vdash | |
| | 143 | | | | | | | Т | | П |
| | 144 | | | | | | \vdash | Т | | Н |
| | 145 | | | | \vdash | | | | \vdash | Н |
| | 146 | М | \vdash | М | \vdash | | Т | Н | Т | Н |
| | 147 | _ | \vdash | Н | \vdash | _ | | | Н | Н |
| | 148 | | \Box | Н | | Н | Н | | | \vdash |
| | 149 | | М | \vdash | Т | М | \vdash | М | Н | Н |
| | 150 | - | \vdash | \vdash | - | \vdash | | - | - | \vdash |
| | ,50 | ш | ш | ш | | ட | | نــــا | | ш |